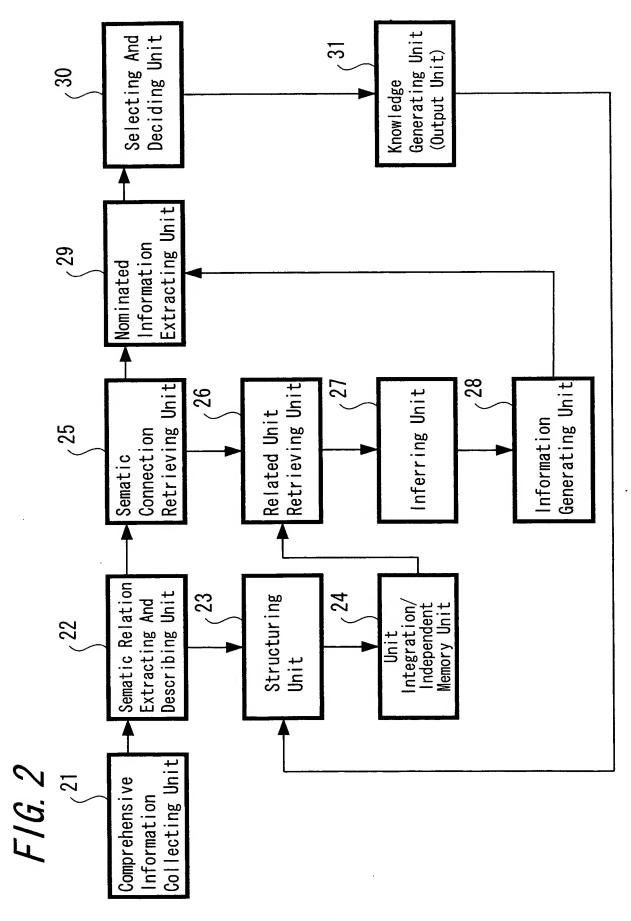
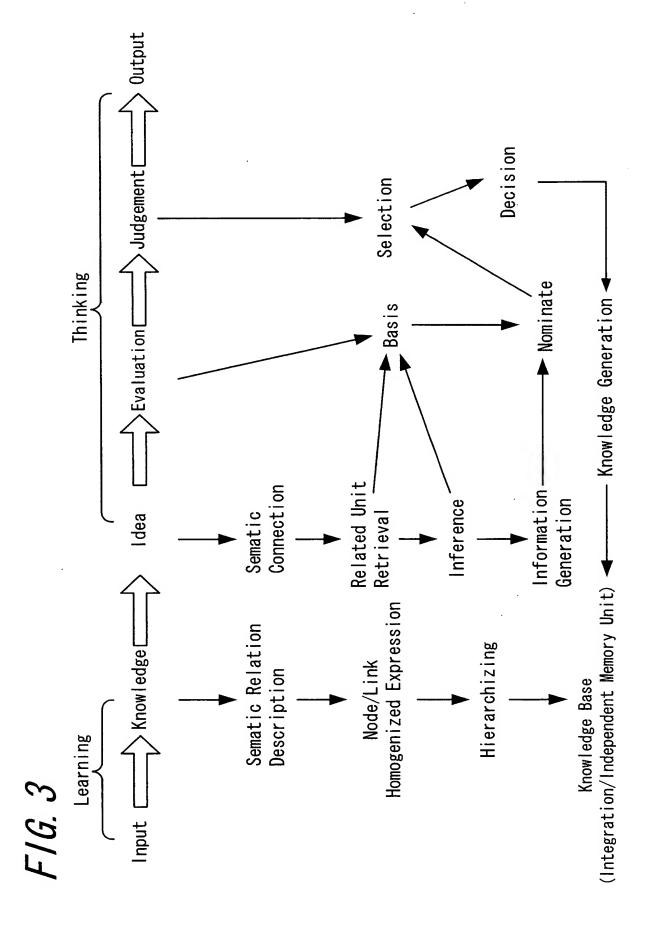
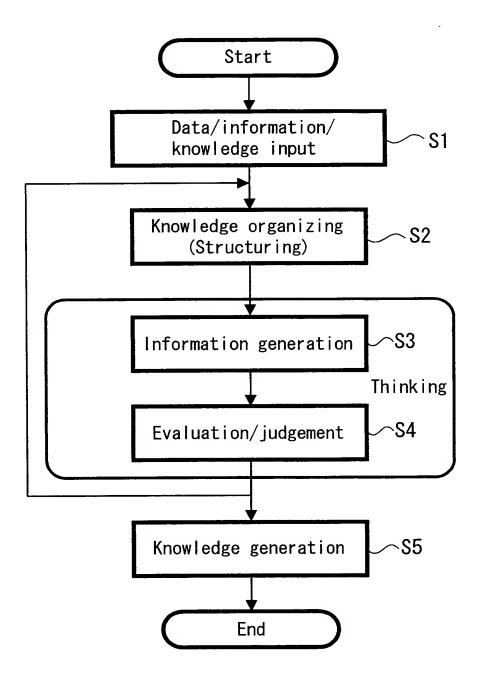


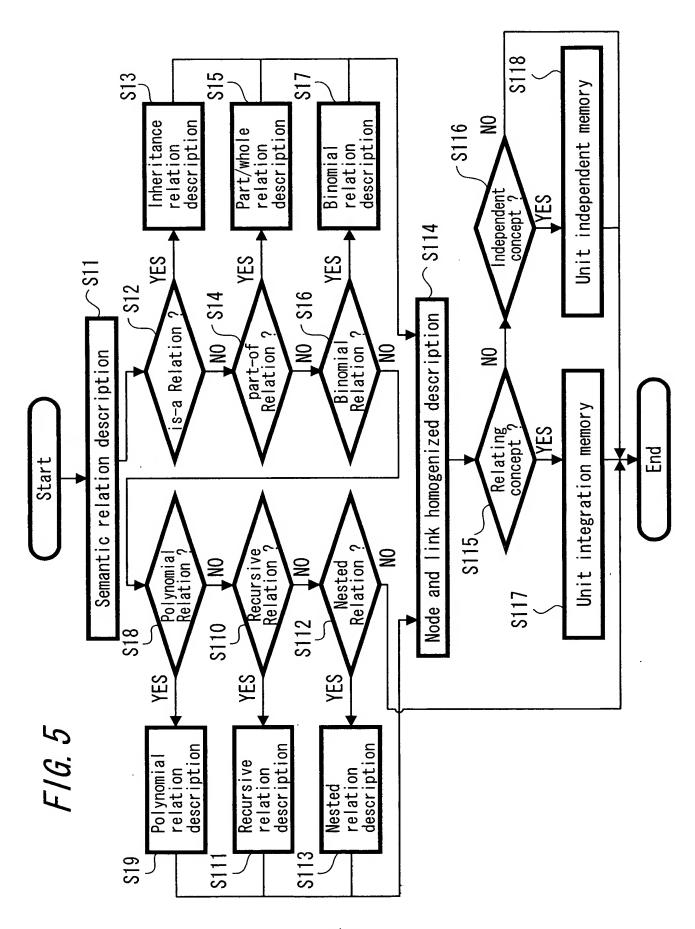
 $\cdots t^{-i}$ 



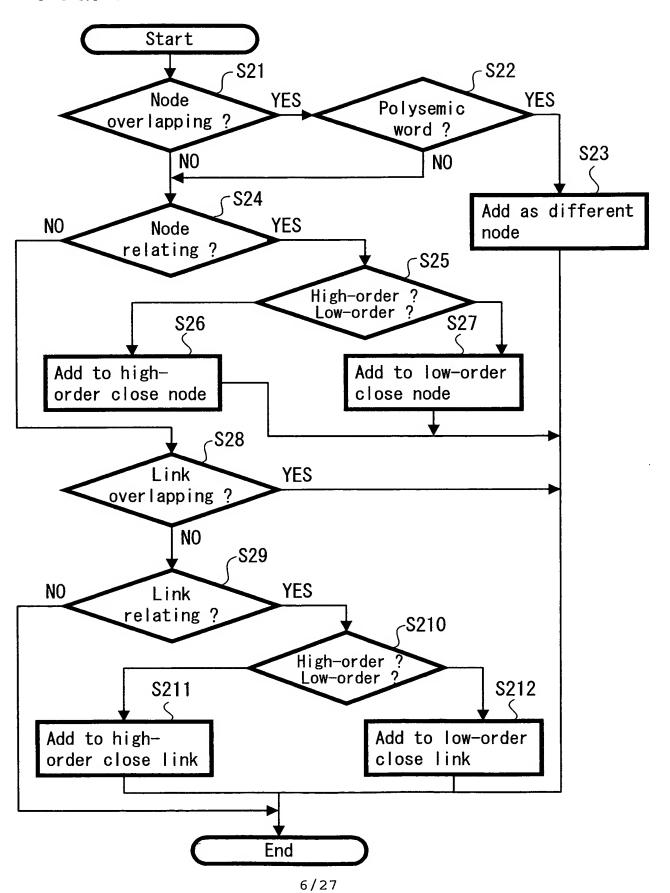


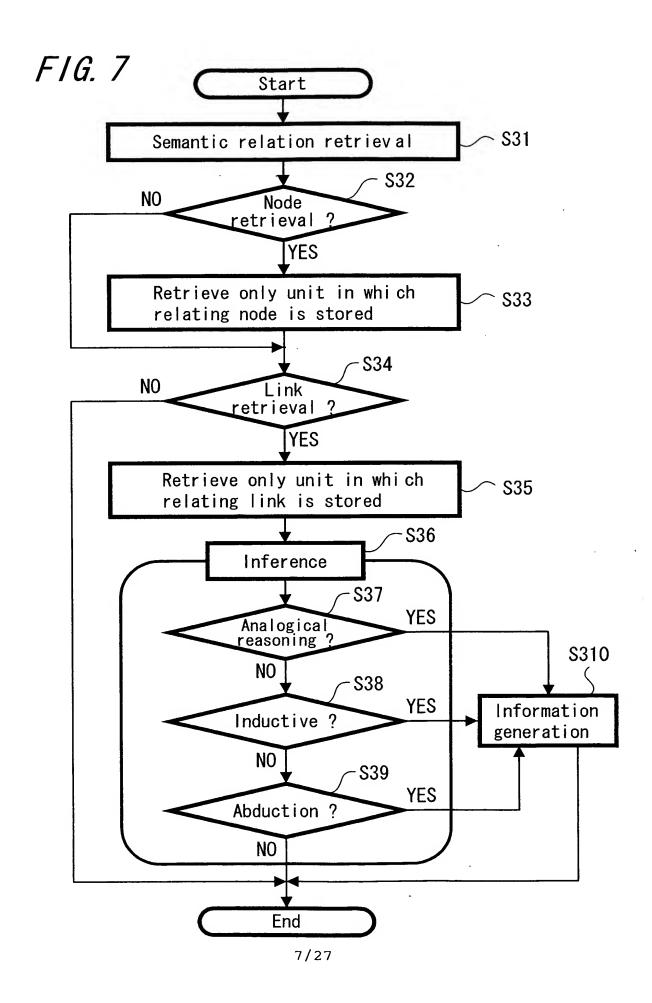
F/G. 4

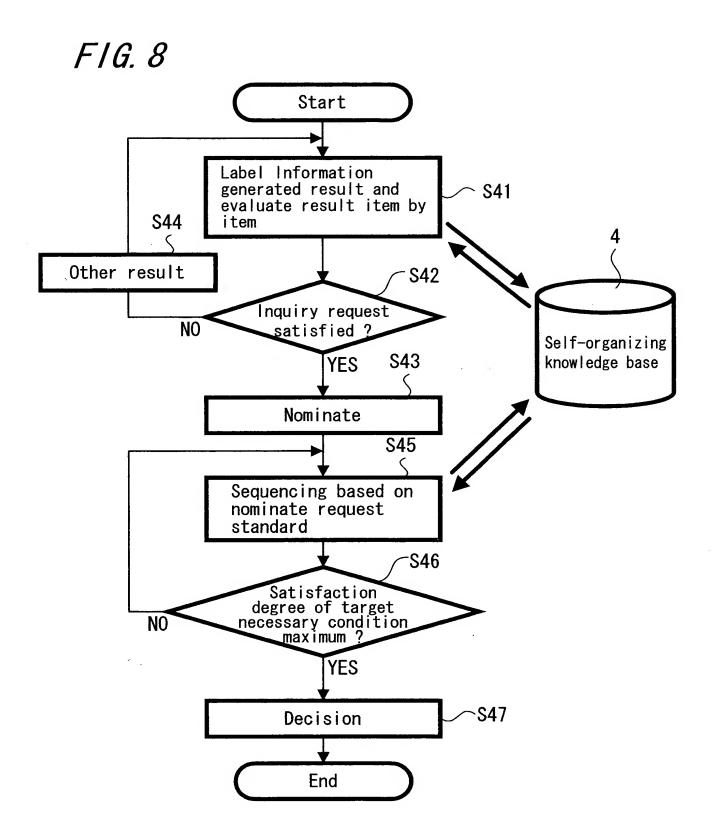


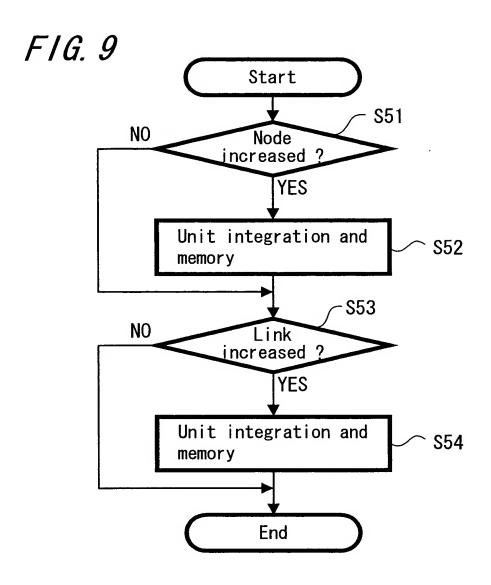


F1G. 6

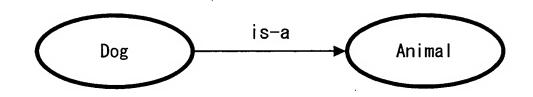


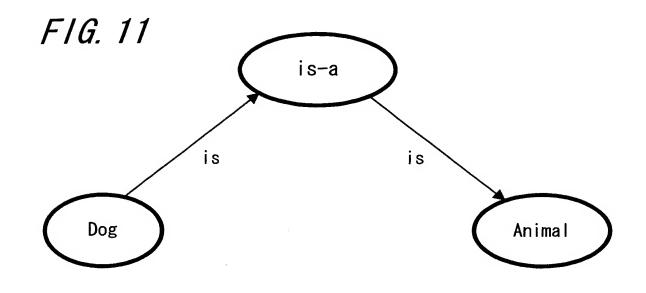


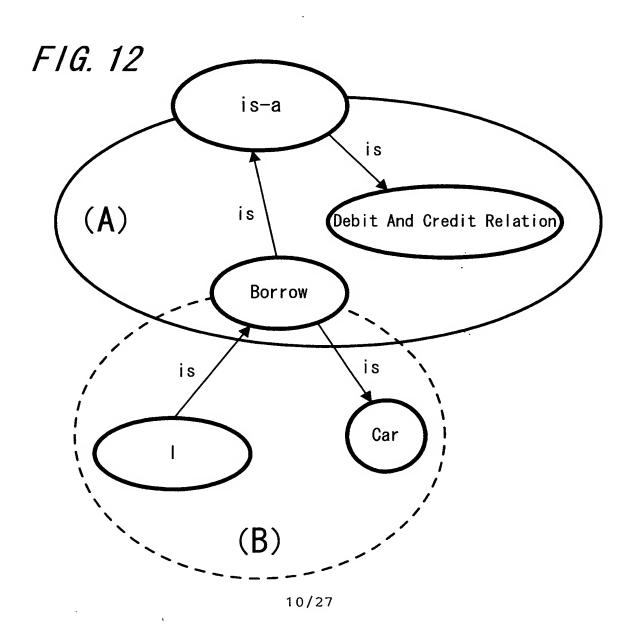




F/G. 10

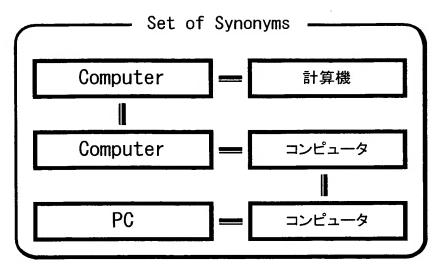






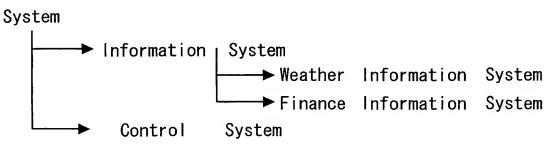
45 Knowledge Base for Semantic Memory Structure INTEGRAL Equivalence Relation Hierarchical Relation Other Specified Semantic Relation SS-KWEIC SS-SANS C-TRAN SANS 42 44 43 F1G. 13 Dictionary, etc. Journal of Papers Comprehensiv Collection of Terms nformation Thesaurus

FIG. 14



## FIG. 15

Words Before Being Decomposed	Words After Being Decomposed
System Information System	System Information System
Control System	Control System
Weather Information System	Weather Information System
Finance Information System	Finance Information System



F/G. 16

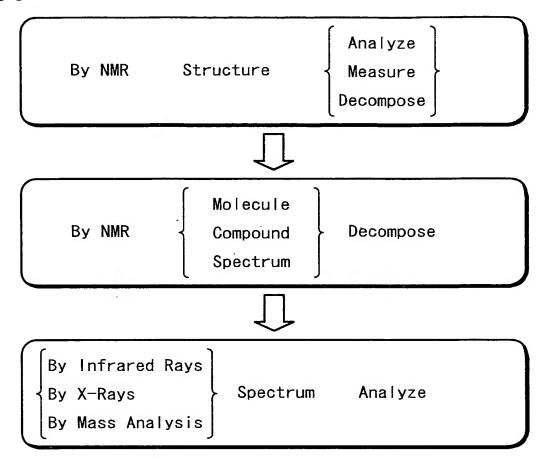
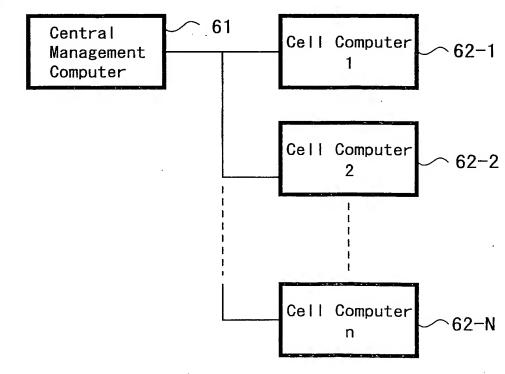
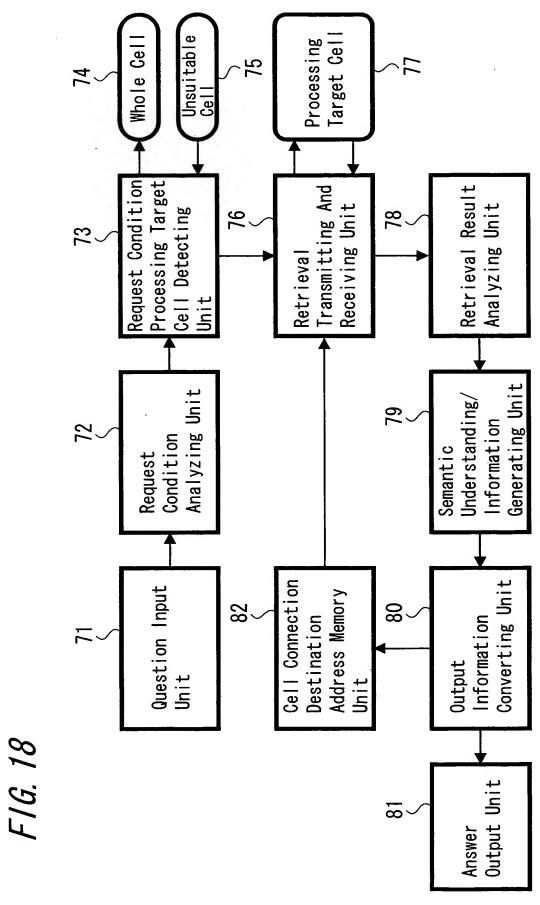
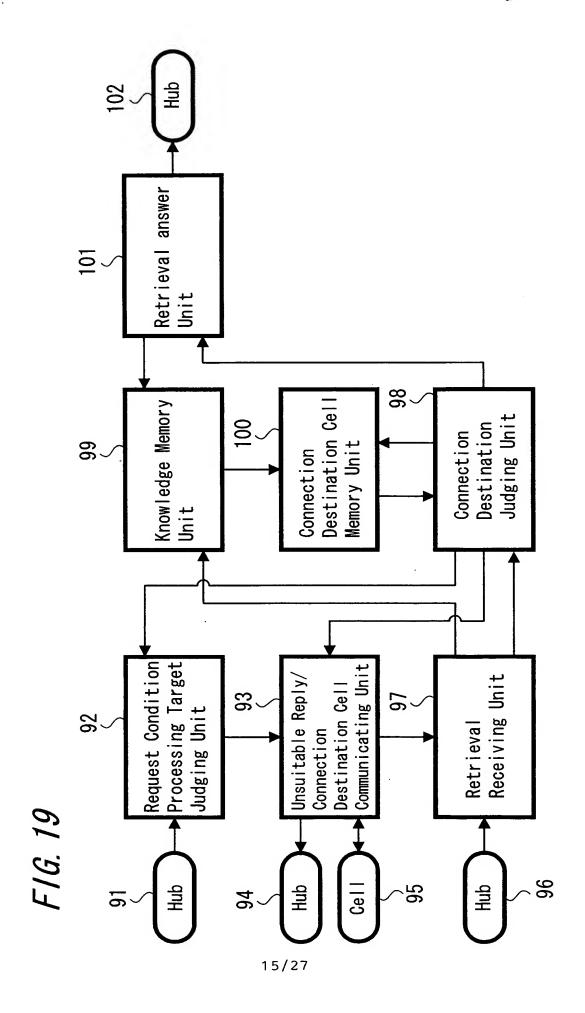
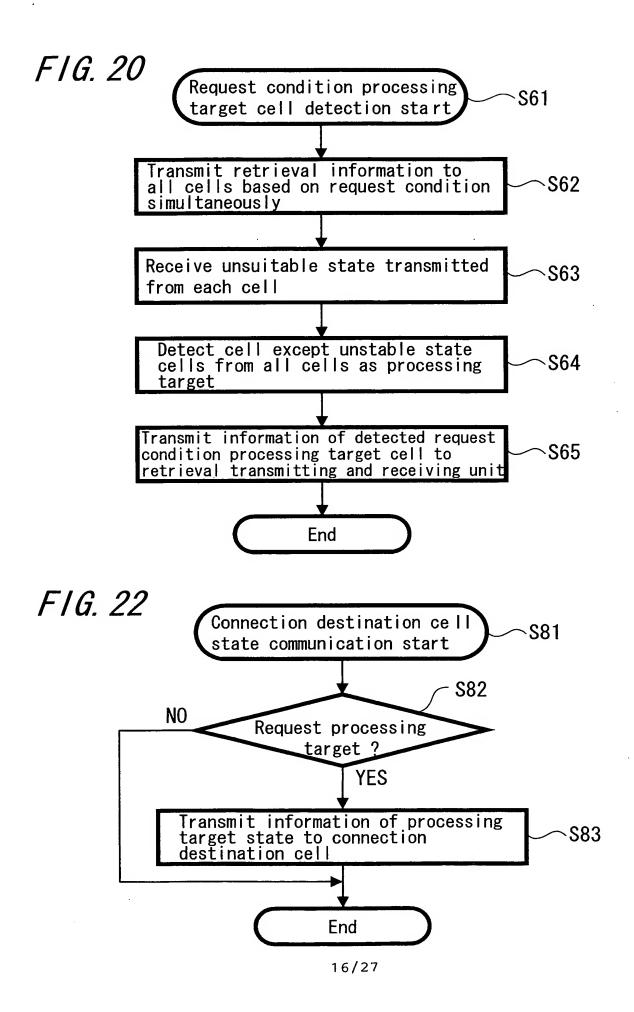


FIG. 17









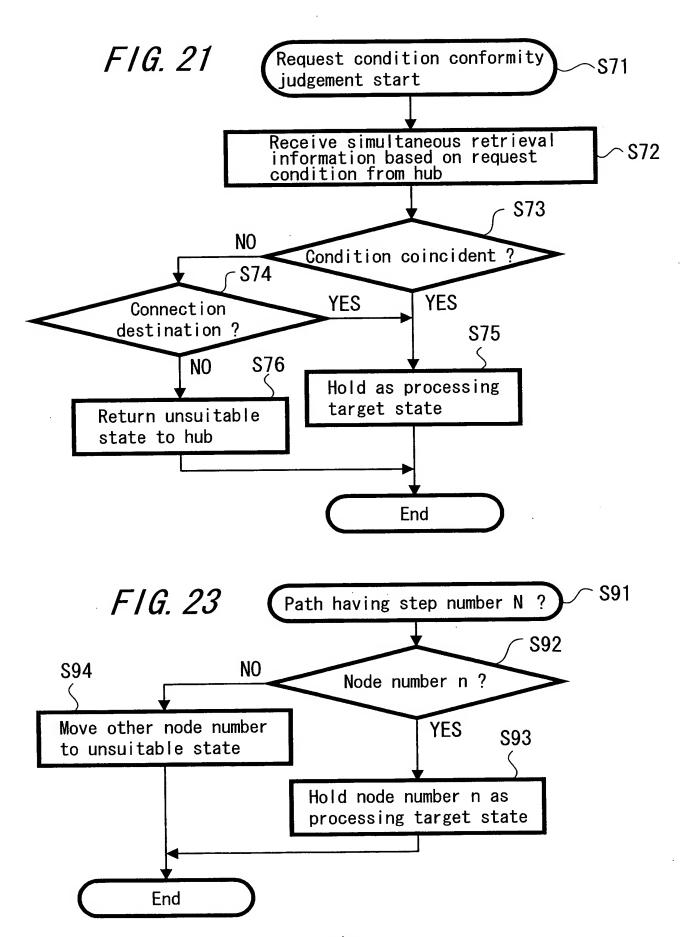
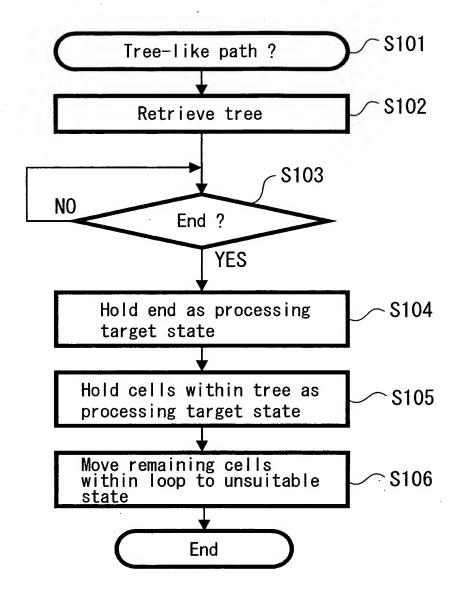


FIG. 24



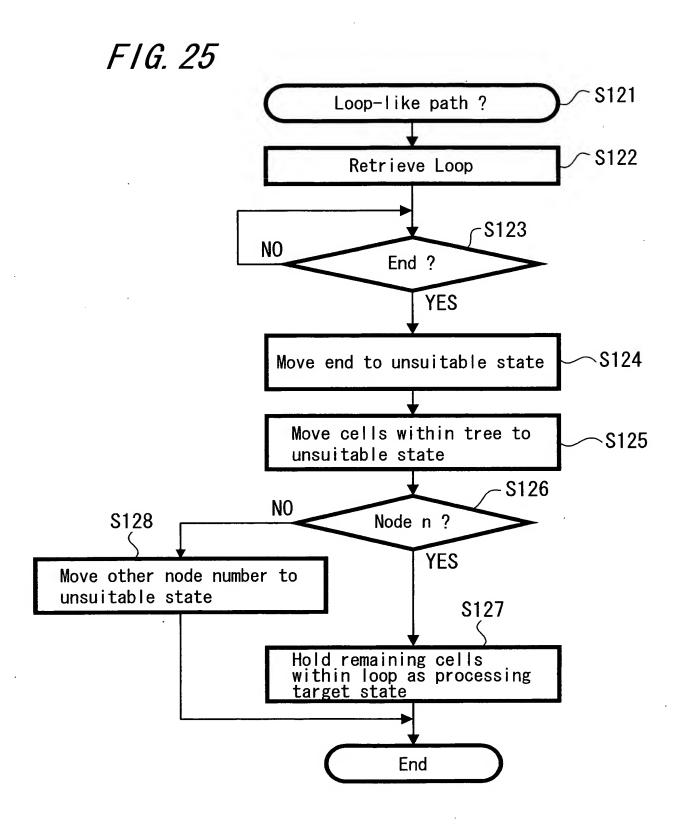
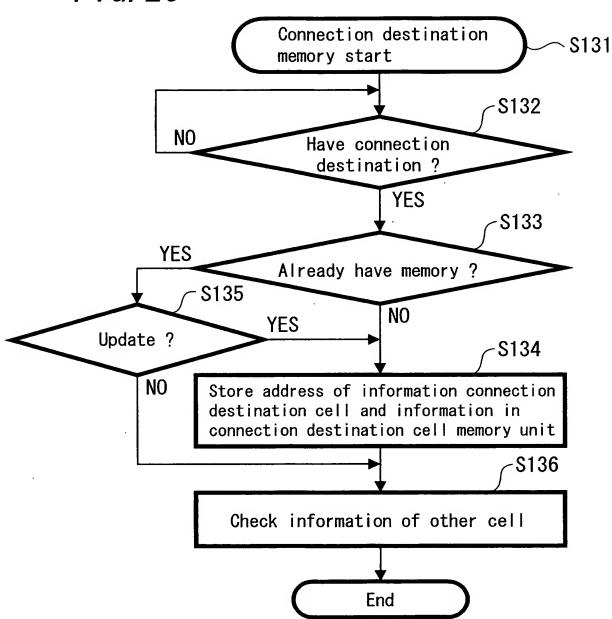


FIG. 26



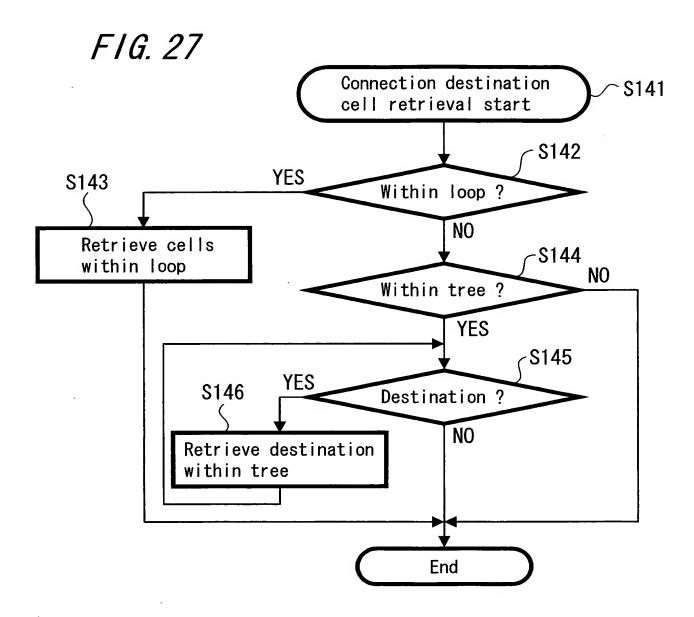


FIG. 28

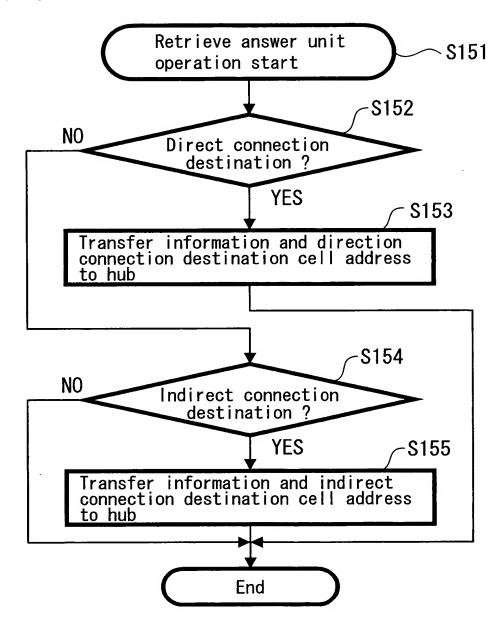
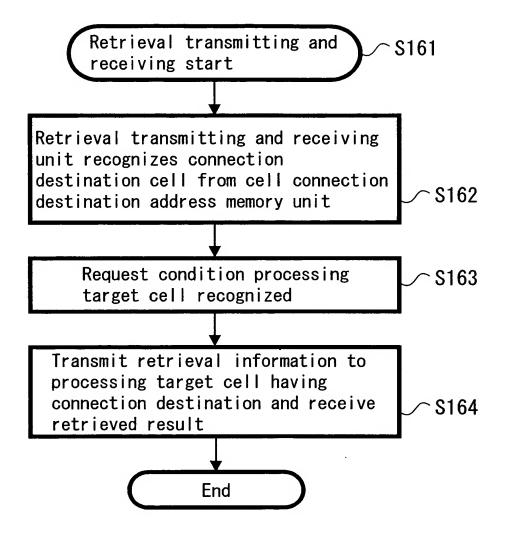


FIG. 29



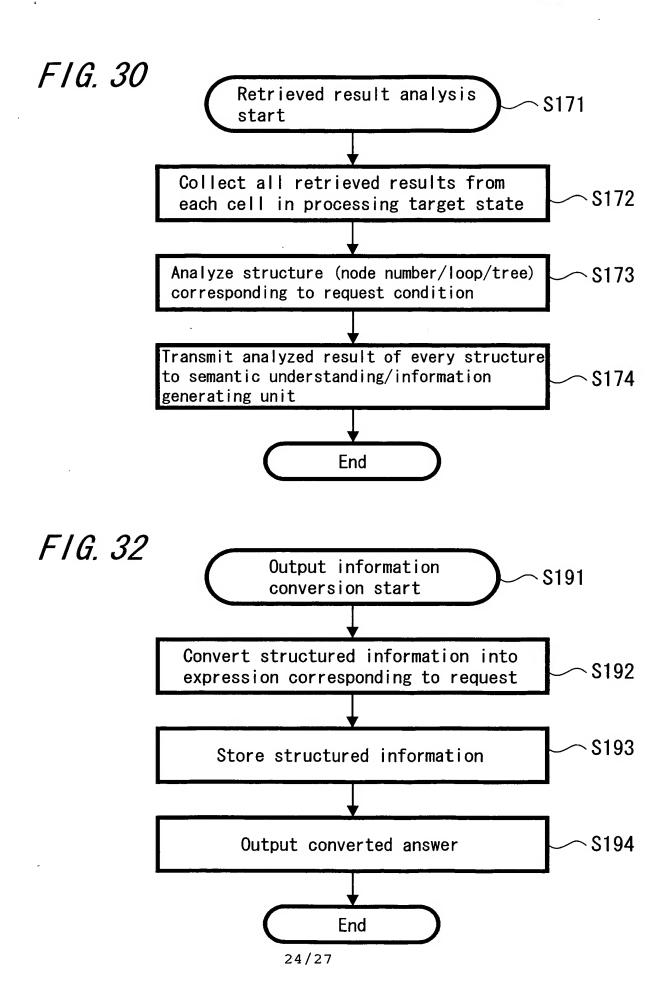
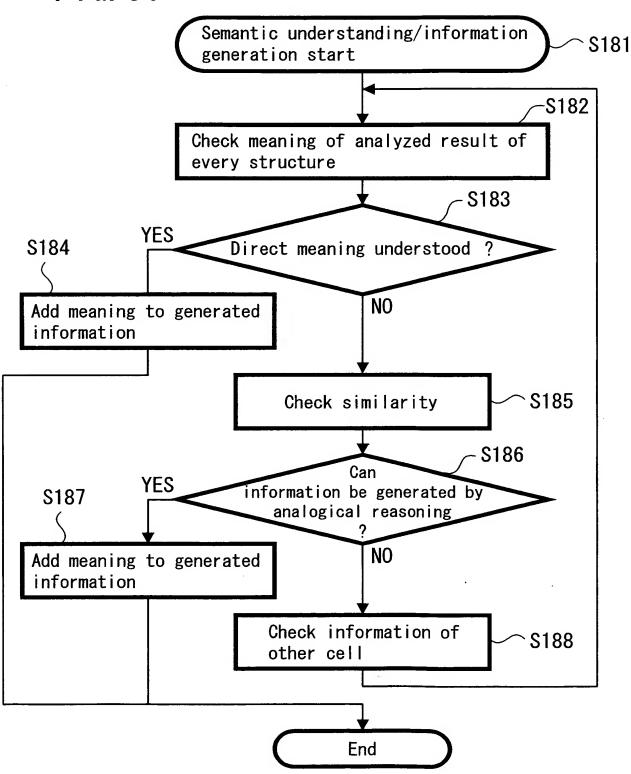


FIG. 31



## DESCRIPTION OF REFERENCE NUMERALS

- 1, 21 ... comprehansive information collecting unit
- 2, 22 ... semantic relation extracting unit
- 3, 23 ... self-organizing (structuring) unit
- 4, 24 ... knowledge base (unit integration/independent memory unit)
  - 5 ... input unit (inquiry unit)
  - 6 ... verifying unit
  - 7, 28 ... information generating unit
  - 8 ... evaluating unit
  - 9 ... judging unit
  - 10 ... deciding unit
  - 11, 31 ... output unit (knowledge generating unit)
  - 61 ... central management computer
  - 62 ... cell computer
  - 71 ... question input unit
  - 72 ... request condition analyzing unit
- 73 ... request condition processing target cell detecting
  - 74 ... whole cell
  - 75 ... unsuitable cell
  - 76 ... retrieval transmitting and receiving unit
  - 77 ... suitable cell
  - 78 ... retrieval result analyzing unit
  - 79 ... semantic understanding/information generating unit

- 80 ... output information converting unit
- 81 ... answer output unit
- 91 ... hub
- 92 ... request condition processing target judging unit
- 93 ... unsuitable reply/connection destination cell communicating unit
  - 94 ... hub
  - 95 ... cell
  - 96 ... hub
    - 97 ... retrieval receiving unit
    - 98 ... connection destination judging unit
    - 99 ... knowledge memory unit
    - 100 ... connection destination cell memory unit
    - 101 ... retrieval answer unit
    - 102 ... hub